

Figure 1

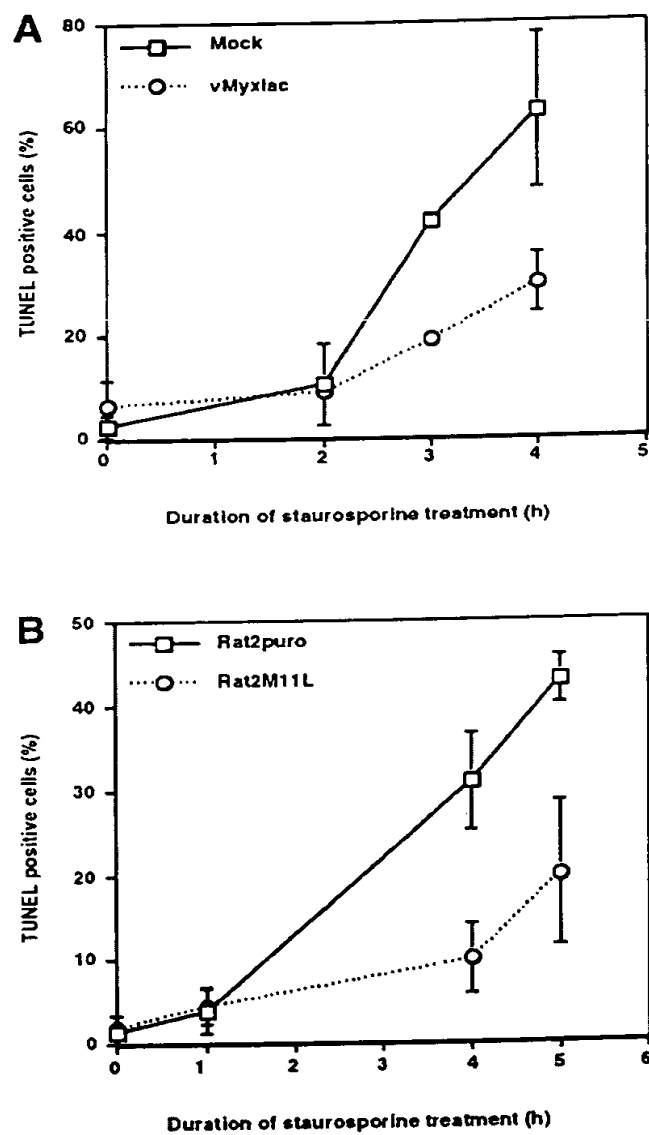
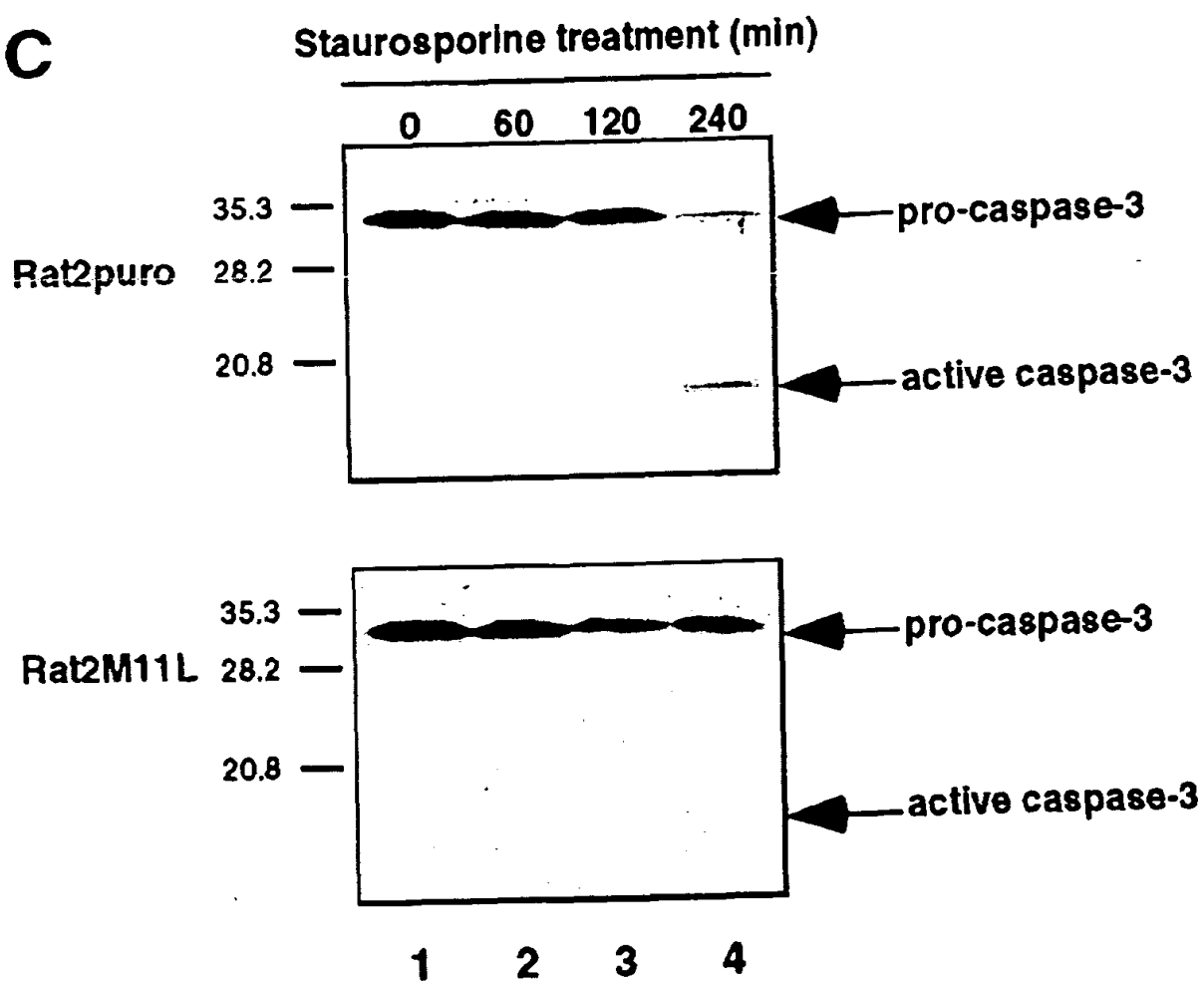


Figure 1 (con't)

**C**



**Figure 2**

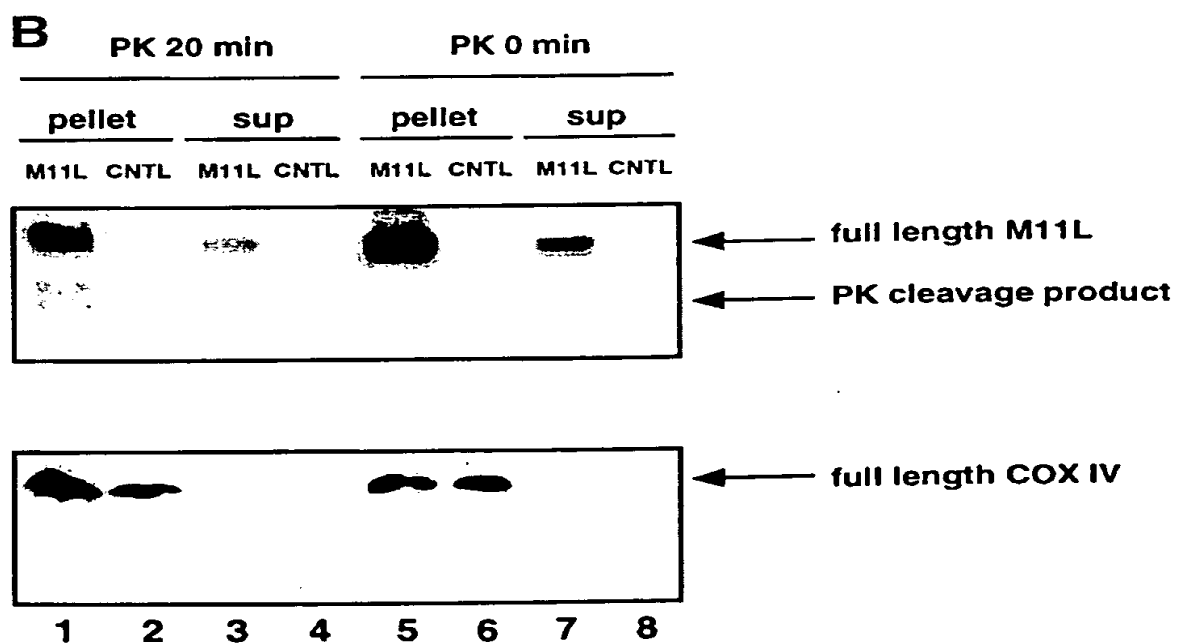
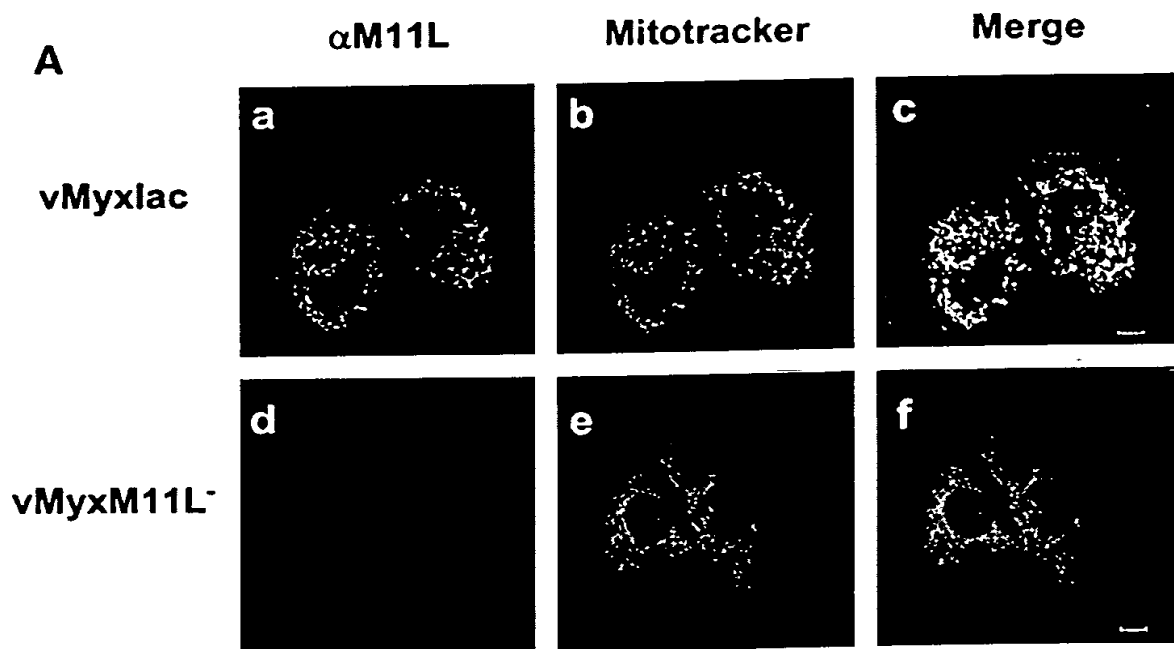


Figure 3

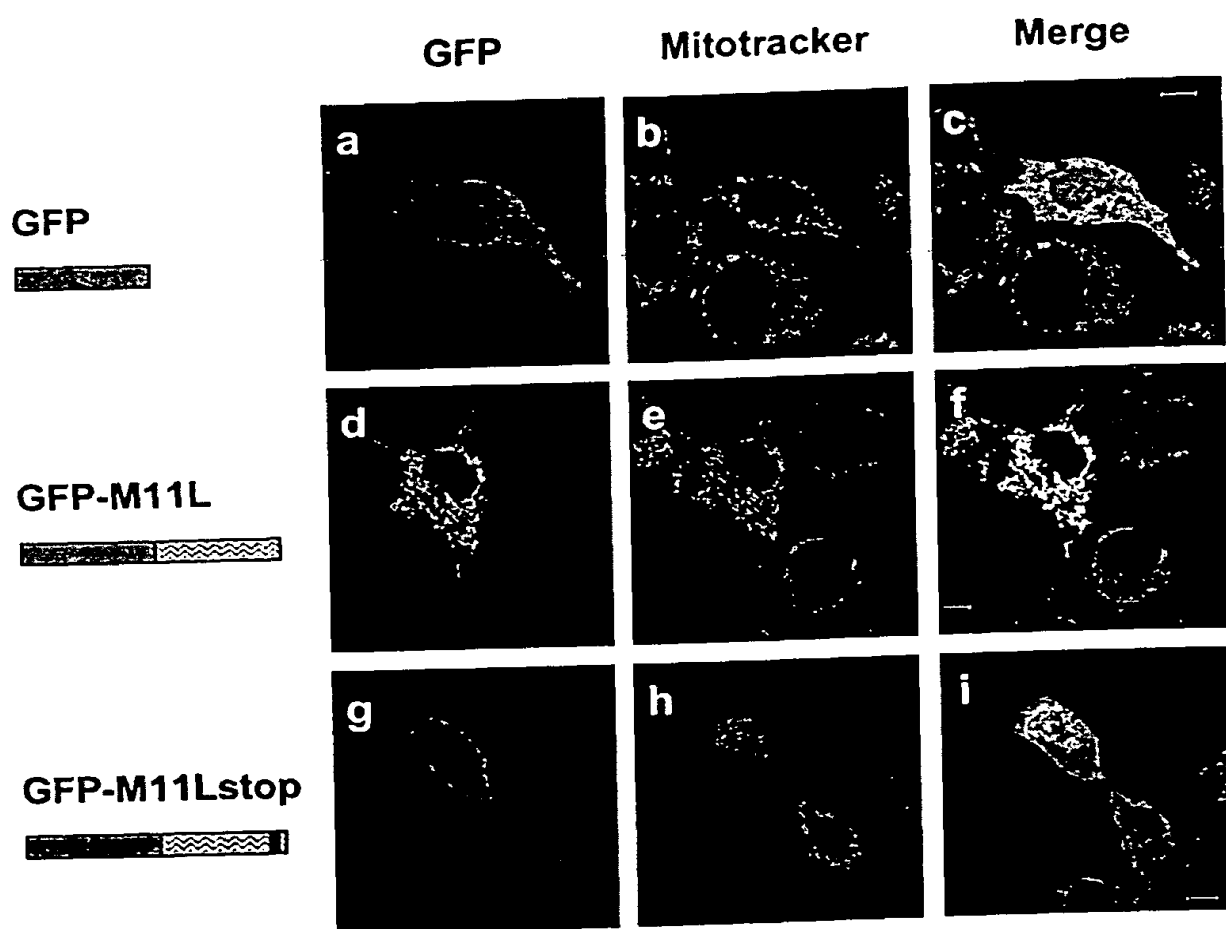
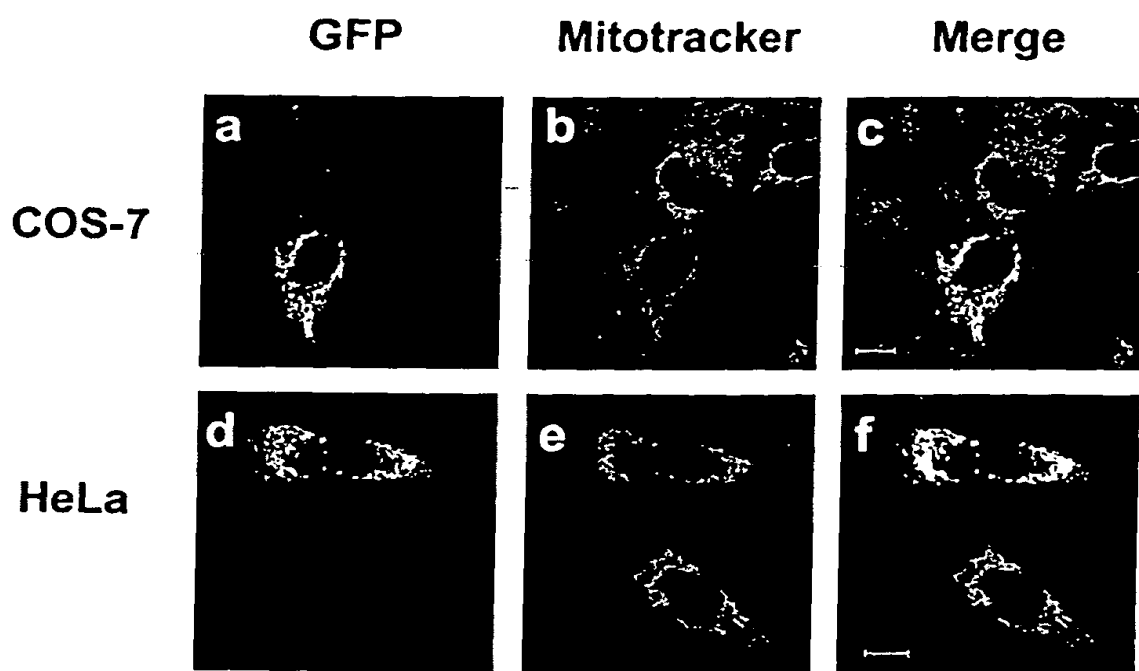



Figure 4



GFP

 mt

mt = KISVYLTAAVVG FVAYGILKWYRGT

+

+

+

204020-04405001

Figure 5

					domain is a mitochondrial targeting signal	domain is required for function
M11L	K	ISVYLTAADVGFVAYGIL	K	WYRGT	Y	Y
Bcl-2	K	TLLSLALVGACITLGAYLS	H	K	Y	Y/N
Bcl-X <sub>L</sub>	R	WFLTGMTVAGVVLLGSLFS	R	K	Y	Y/N
Boo/Diva	R	LLIQAFLSGFFATAIFFIW	K	RL	?	?
CED-9	R	WSMIGAGVTAGAIGIVGVVCG	R	MMFSLK	?	?
BHRF-1	R	FSWTLFLAGLTLSLLVICSYLFIS	R	GRH	Y	Y
KSbcl-2	R	MTALLGSIALLATILAAVAMS	R	R	?	?
Nip3	K	VFLPSLLLSHLLAIGLGIYIG	R	RLTTSTSTF	Y	Y
Nix	K	VFIPSLFLSHVLALGLGIYIG	K	RLSTPSA	Y	Y

positive  
charge

18-24 aa putative  
membrane-spanning domain

positive  
charge

positive  
tail

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Figure 6

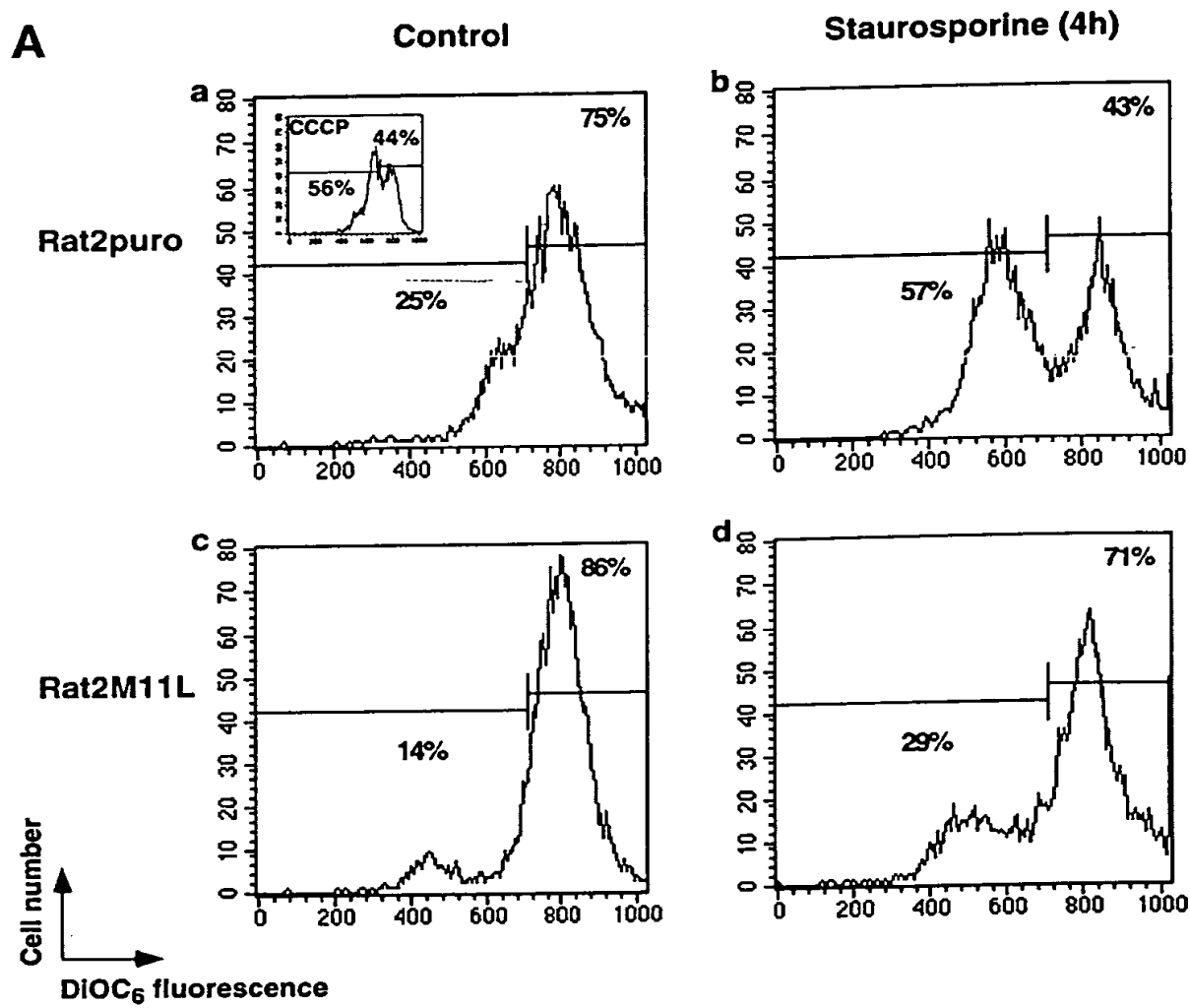
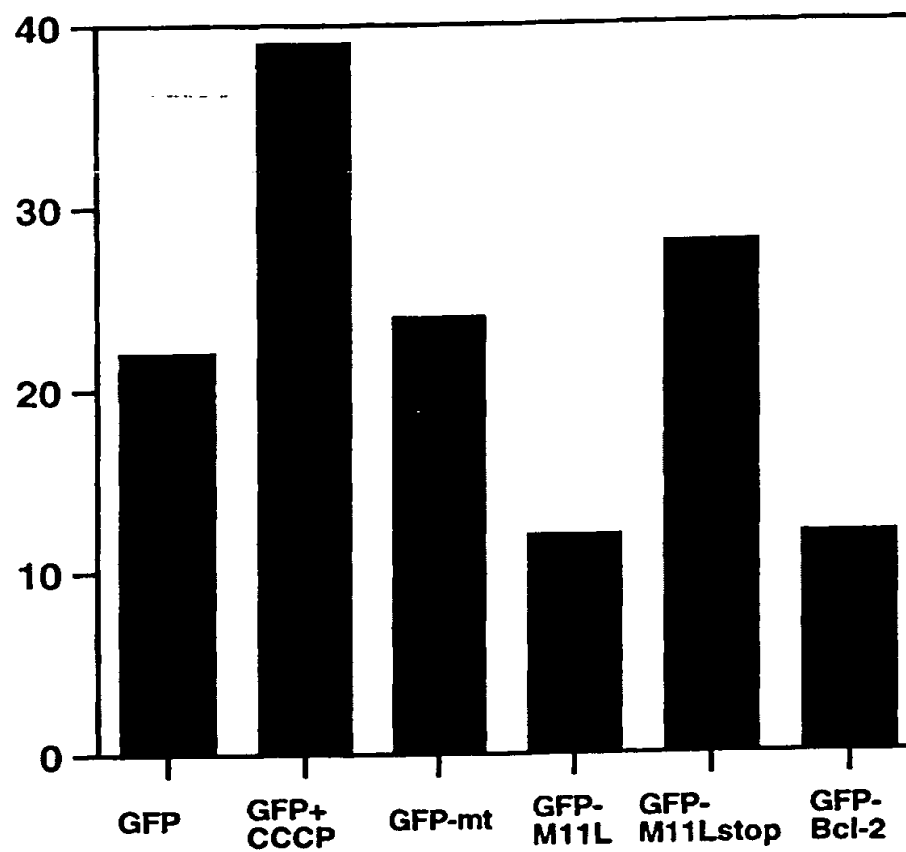


Figure 6 (con't)

**B**

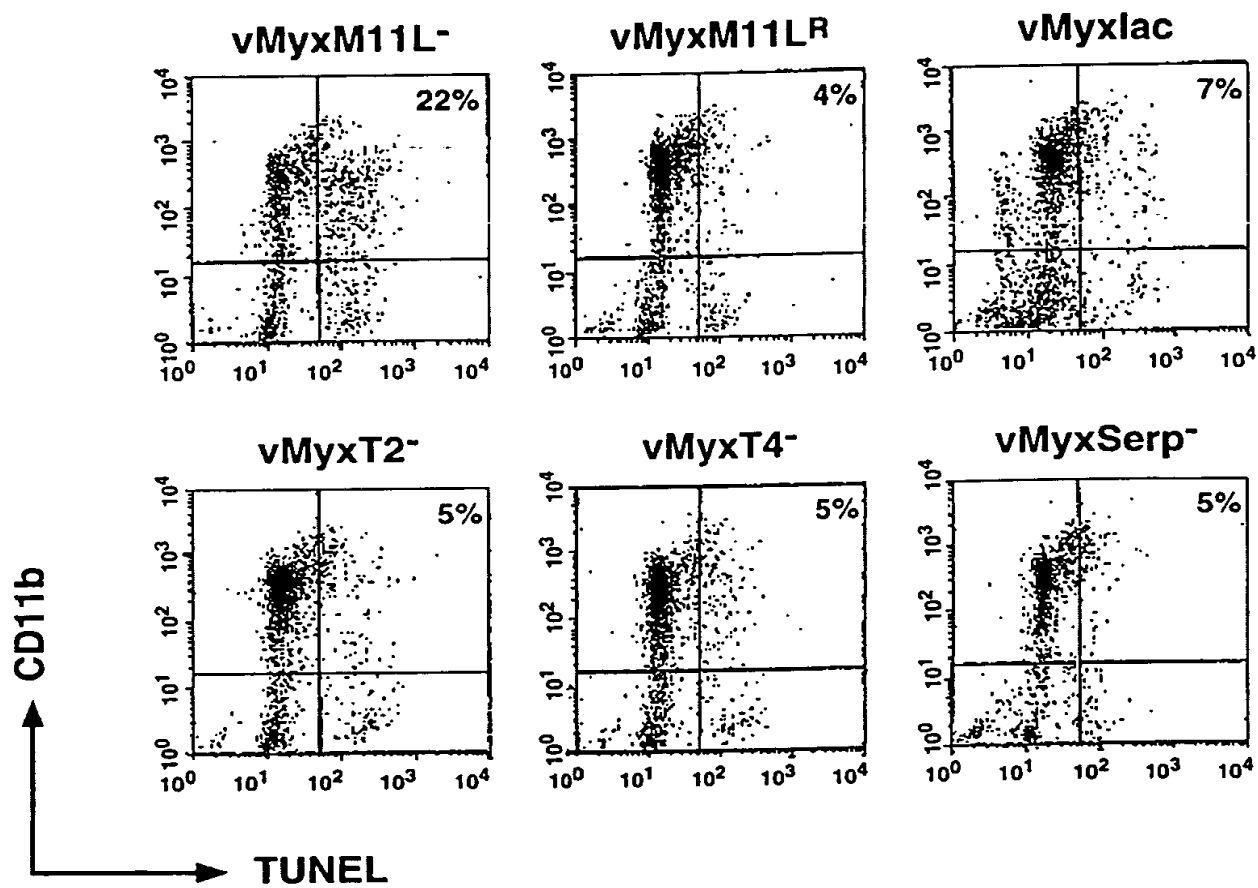
Average percent difference in TMRE positive cells  
following apoptosis induction



GFP construct expressed by cells



Figure 7



# Process to Identify M11L-interacting Proteins

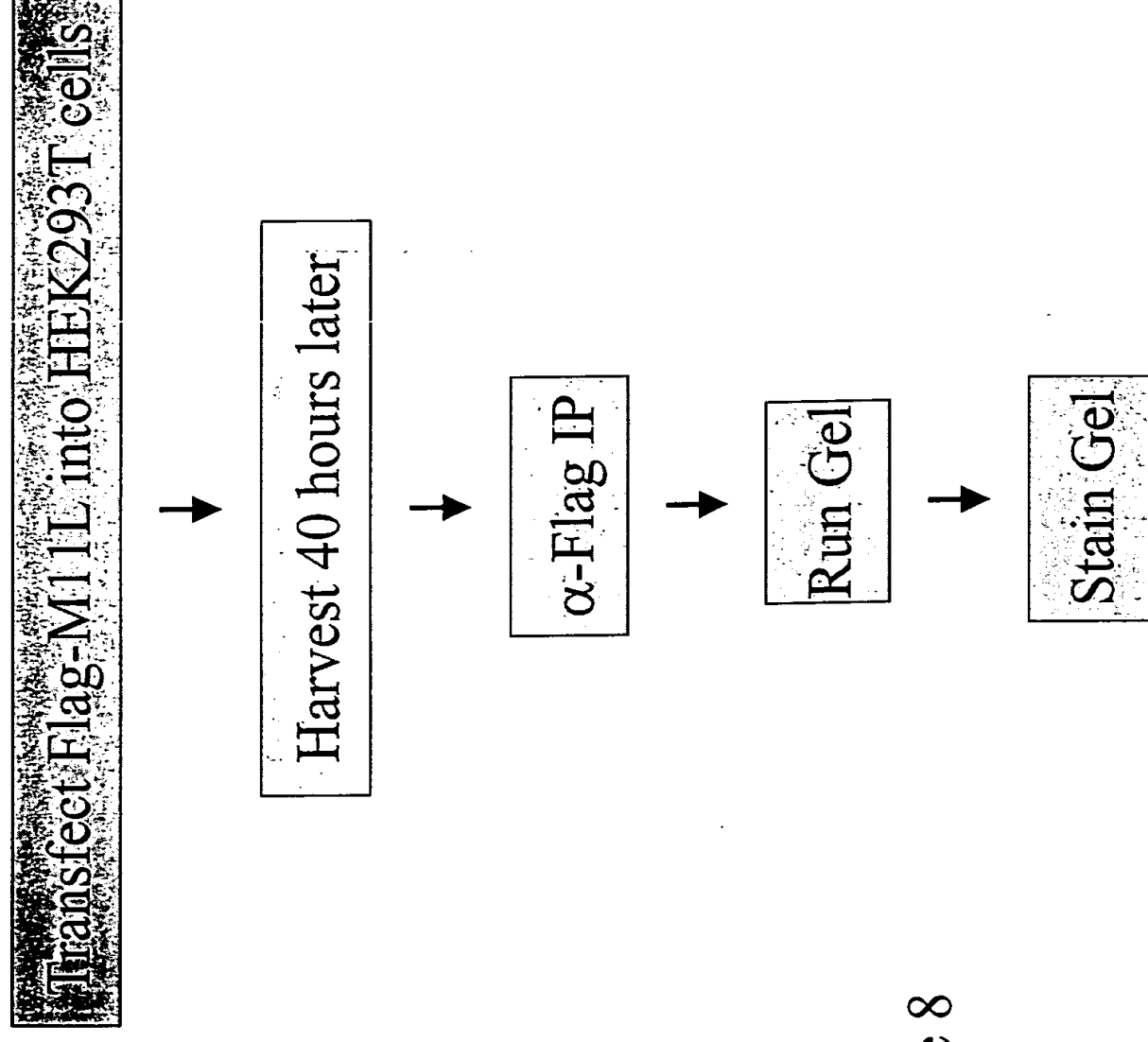


Figure 8

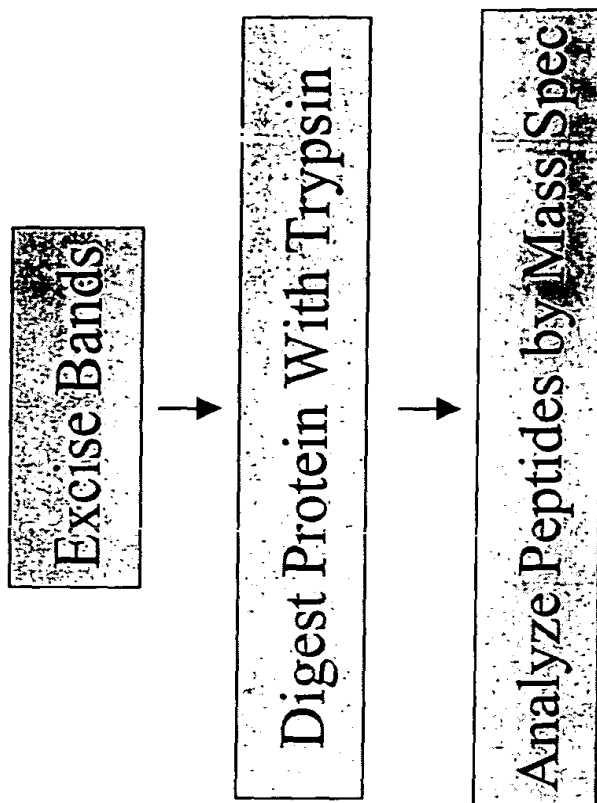
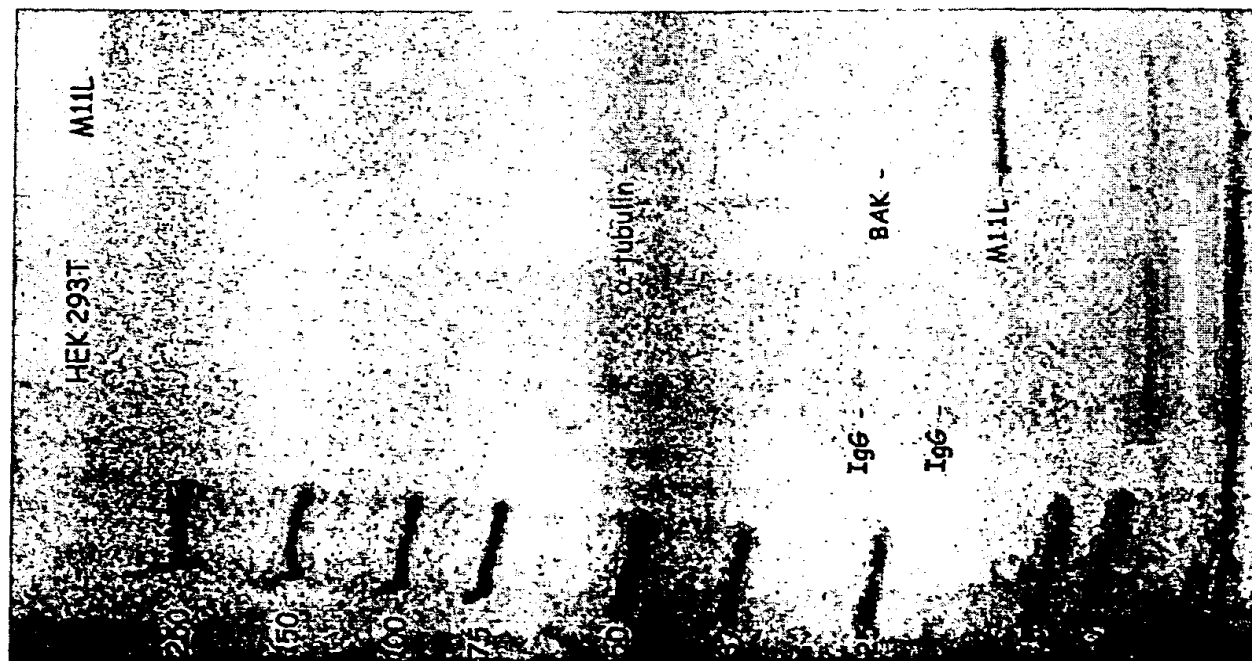
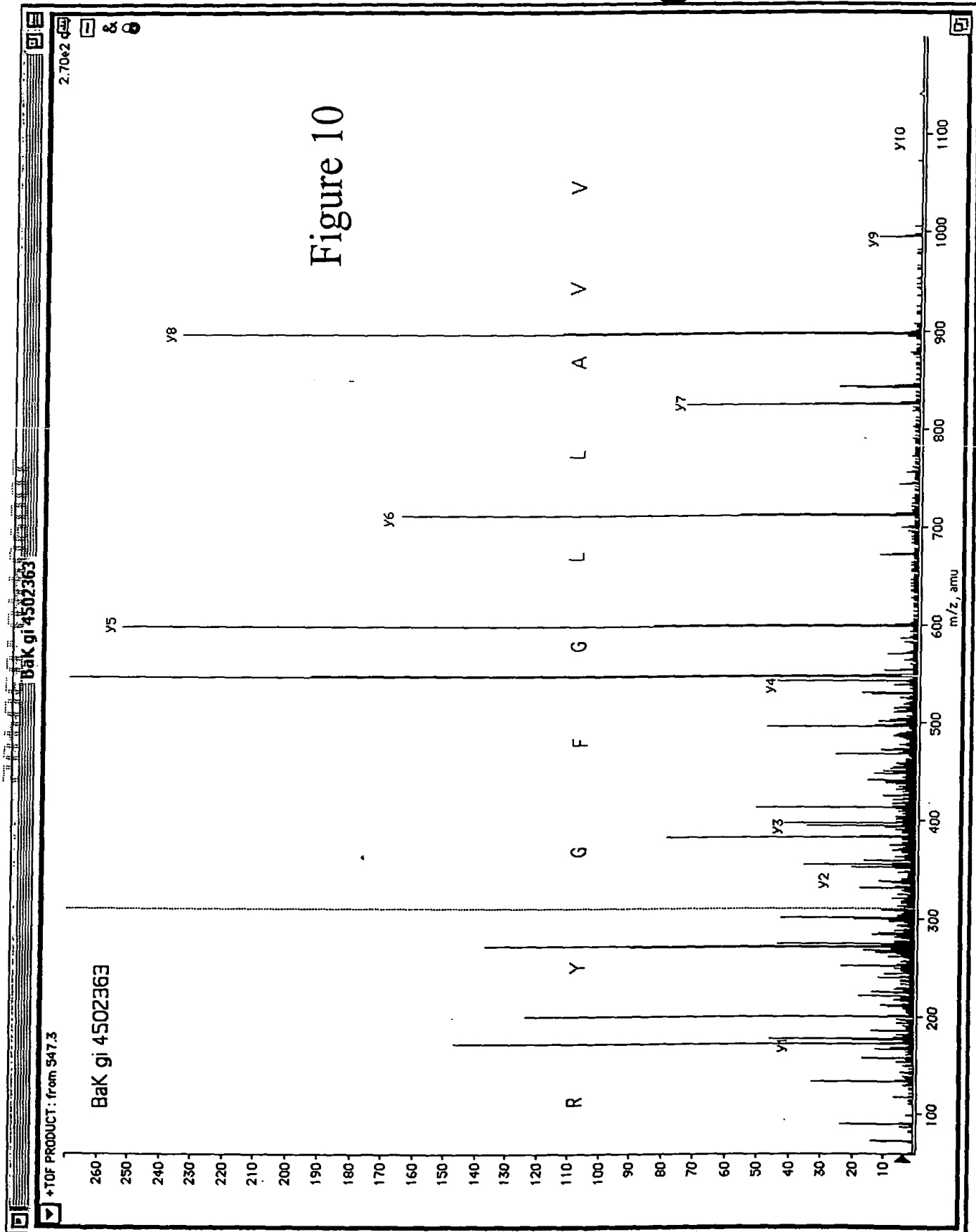


Figure 9



204060-04405001

Bak, a Bcl2 family member, was identified  
by Mass Spec

MASGQGPGRQECGEPALPSASEEQAQD  
TEEVFRSYVYRHHQQEQEAEGVAAPADPEM  
VTLPQPSSMTMGQVGR**QLAIIGDDIN**RRYD  
SEFQTMLQLQPTAENAYEYFTK**IATSLFE**  
**SGINWGRVVALLGFGYR**LALHVVYQH  
GLTGFLGQVTRFVDFMLHHCIARWIAQRGGWVA  
ALNLGNGPILNVLVVLGVVLLGQFVVRFFKS

Figure 11